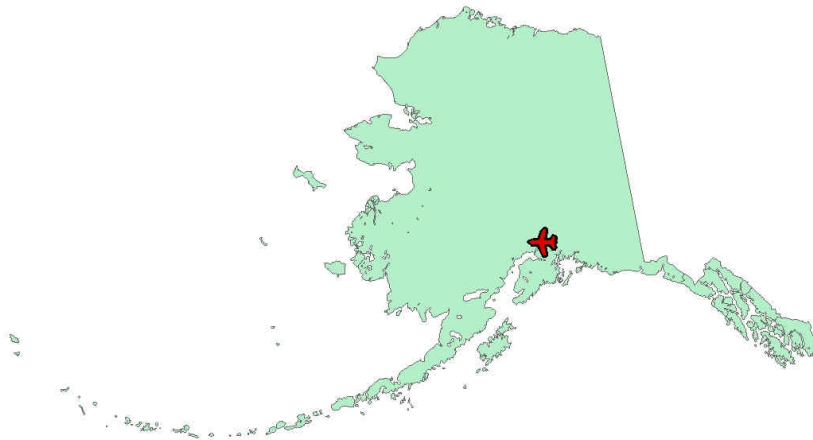


WASILLA AIRPORT



2004 Alaska Airport Pavement Condition Report

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Maps and report compiled by
H. June Finkbiner
Central Region Materials, Alaska DOT&PF

WASILLA AIRPORT - 2004

Contents:

- A Pavement Strength Form showing project history, latest Pavement Condition Index (PCI) data, pavement strength ratings (if available) and other useful information
- A Pavement Condition Survey – PCI Sample Unit Layout Plan
- Age map showing pavement age as of 2004

Airport Information:

- Location: Approximately five miles north of the City of Wasilla, west of MP 47 on the Parks Highway in south Central Alaska
- District: Municipal Airport
- Airport Manager: Thomas S. Westall
- Maintenance Manager: Tony Leony
- Pavement Surface: Asphalt Concrete
- Last Pavement Construction: 2004
- Pavement layout: Runway 3-21, 4 taxiways and an apron
- Design Aircraft: General Aviation
- 2003 Enplanements: 0
- Airport Class: Non-Primary
- Last pavement condition survey: 2002
- Next planned pavement condition survey: 2005
- 2004 reported pavement maintenance and/or changed conditions: Phase 1 of a 2-year airport expansion project was completed in 2004. This involved adding paved Hangar Access Lanes, Apron area and a Hangar Access Road on the airport. The next phase, starting in 2005, will add apron area west of Taxiway D and extend parallel Taxiway B west to the threshold of Runway 21. Construction of a new airport access road is also expected in 2005. See layout plans for this and other proposed work at Wasilla Airport. Crack sealing was done on existing pavement in 2004.

Recommendations: Seal cracks that are greater than ¼" wide and patch with cold mix as required to maintain serviceability.

Date: 3 /22/2005

Branch Condition Report

1 of 2

Pavement Database: NetworkID: Wasilla

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI
10 (Hangar Access Road)	1	1,350.00	24.00	33,474.00	ROADWAY	100.00	0.00	100.00
100 (Taxilane A)	2	940.00	40.00	39,447.00	TAXIWAY	87.00	1.00	87.42
200 (Taxiway B)	2	1,443.00	40.00	58,811.00	TAXIWAY	84.50	2.50	86.10
300 (Taxilane C)	1	680.00	130.00	88,400.00	TAXIWAY	93.00	0.00	93.00
400 (Taxiway D)	1	1,013.00	40.00	72,297.00	TAXIWAY	93.00	0.00	93.00
4100 (Aircraft Parking Apron)	2	1,360.00	240.50	327,080.01	APRON	89.00	2.00	88.38
4200 (Hangar Apron)	1	625.00	120.00	74,076.00	APRON	100.00	0.00	100.00
600 (Taxilane F)	1	700.00	100.00	70,000.00	TAXIWAY	88.00	0.00	88.00
6100 (Runway 3-21)	1	3,704.00	75.00	277,800.01	RUNWAY	89.00	0.00	89.00
801 (Hangar Access Lane 1)	1	575.00	35.00	20,518.00	TAXIWAY	100.00	0.00	100.00
802 (Hangar Access Lane 2)	1	650.00	35.00	24,280.00	TAXIWAY	100.00	0.00	100.00
803 (Hangar Access Lane 3)	1	650.00	35.00	24,280.00	TAXIWAY	100.00	0.00	100.00
804 (Hangar Access Lane 4)	1	650.00	35.00	24,280.00	TAXIWAY	100.00	0.00	100.00

Date: 3 /22/2005

Branch Condition Report

2 of 2

Pavement Database:

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	3	401,156.01	92.67	5.44	90.53
ROADWAY	1	33,474.00	100.00	0.00	100.00
RUNWAY	1	277,800.01	89.00	0.00	89.00
TAXIWAY	11	422,313.00	92.45	6.39	92.24
All	16	1,134,743.02	92.75	6.15	91.07

Date: 3 /22/2005

Section Condition Report

1 of 2

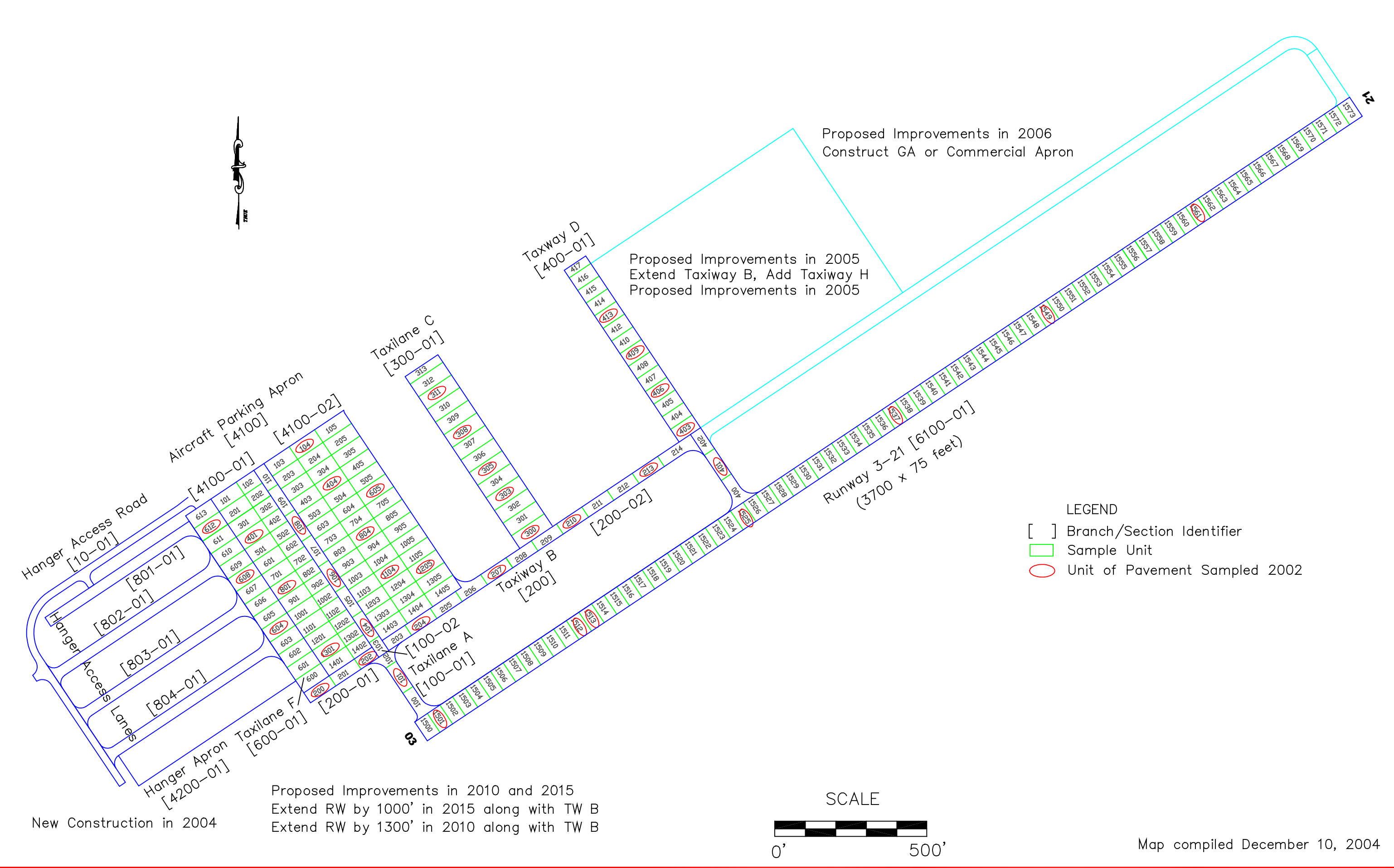
Pavement Database: NetworkID: Wasilla

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
10 (Hangar Access Road)	10-01	09/01/2004	AC	ROADWAY	T	0	33,474.00	09/01/2004	0	100.00
100 (Taxilane A)	100-01	09/01/2000	AC	TAXIWAY	P	0	11,447.00	05/09/2002	2	86.00
100 (Taxilane A)	100-02	09/01/2000	AC	TAXIWAY	P	0	28,000.00	05/09/2002	2	88.00
200 (Taxiway B)	200-01	09/01/2000	AC	TAXIWAY	P	0	10,640.00	05/09/2002	2	82.00
200 (Taxiway B)	200-02	09/01/2000	AC	TAXIWAY	P	0	48,171.00	05/09/2002	2	87.00
300 (Taxilane C)	300-01	09/01/2000	AC	TAXIWAY	P	0	88,400.00	05/10/2002	2	93.00
400 (Taxiway D)	400-01	09/01/2000	AC	TAXIWAY	P	0	72,297.00	05/09/2002	2	93.00
4100 (Aircraft Parking Apron)	4100-01	09/01/2000	AC	APRON	P	0	112,880.00	05/09/2002	2	91.00
4100 (Aircraft Parking Apron)	4100-02	09/01/2000	AC	APRON	P	0	214,200.01	05/09/2002	2	87.00
4200 (Hangar Apron)	4200-01	09/01/2004	AC	APRON	S	0	74,076.00	09/01/2004	0	100.00
600 (Taxilane F)	600-01	09/01/2000	AC	TAXIWAY	P	0	70,000.00	05/09/2002	2	88.00
6100 (Runway 3-21)	6100-01	09/01/2000	AC	RUNWAY	P	0	277,800.01	05/10/2002	2	89.00
801 (Hangar Access Lane 1)	801-01	09/01/2004	AC	TAXIWAY	S	0	20,518.00	09/01/2004	0	100.00
802 (Hangar Access Lane 2)	802-01	09/01/2004	AC	TAXIWAY	S	0	24,280.00	09/01/2004	0	100.00
803 (Hangar Access Lane 3)	803-01	09/01/2004	AC	TAXIWAY	S	0	24,280.00	09/01/2004	0	100.00
804 (Hangar Access Lane 4)	804-01	09/01/2004	AC	TAXIWAY	S	0	24,280.00	09/01/2004	0	100.00

Pavement Database:

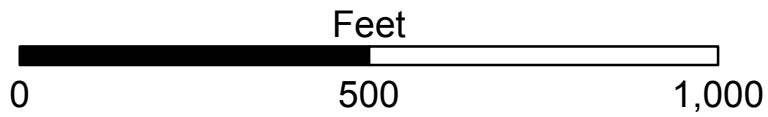
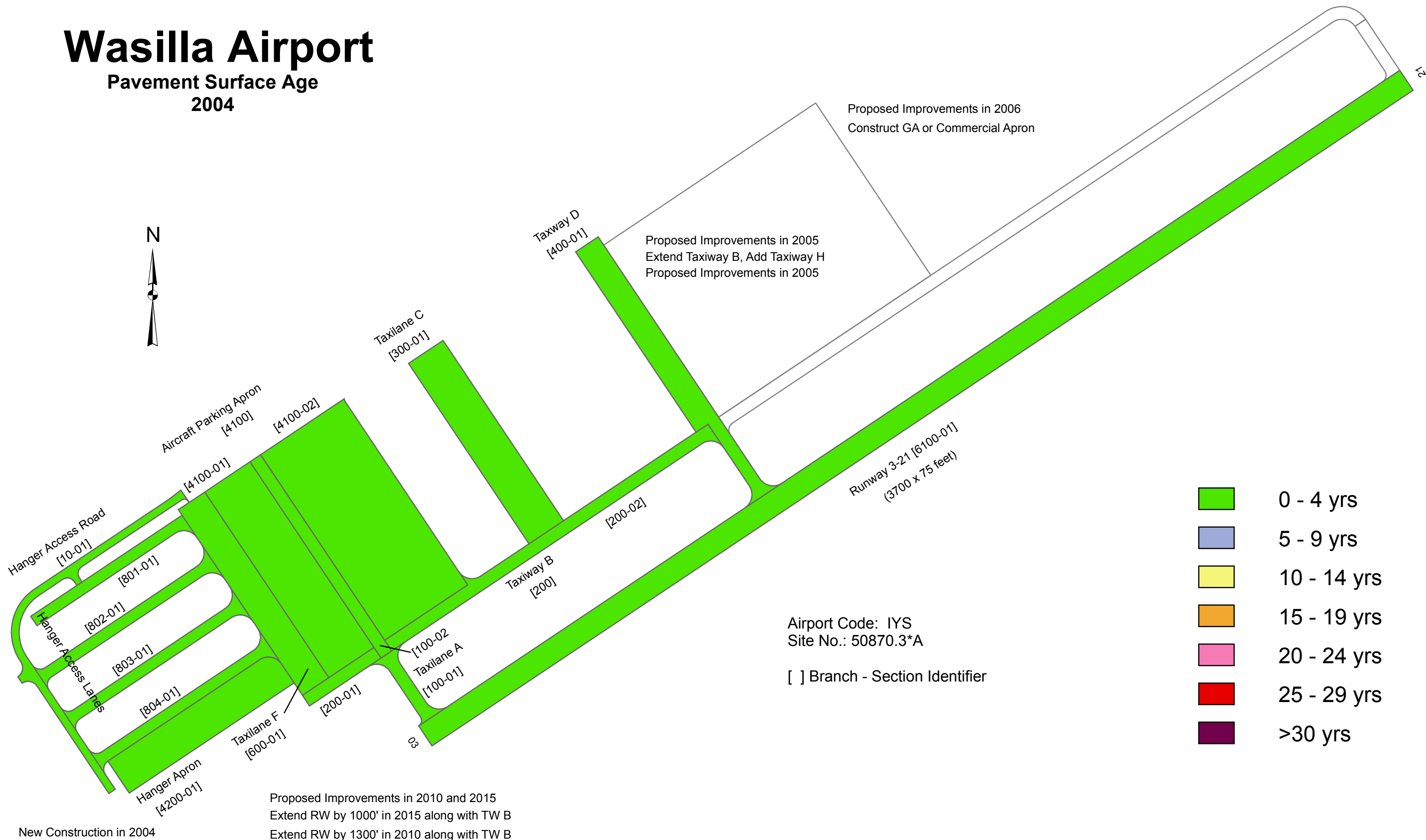
Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
0-02	2.00	935,275.02	8	88.50	3.32	89.00
All	2.00	935,275.02	8	88.50	3.32	89.00

PAVEMENT STRENGTH SURVEY													
STATE Alaska		CITY Wasilla		AIRPORT Wasilla		This is a variation of FAA Form 5320-1-1							
		CONSTRUCTION DATES											
IDENT.	NAME	ORIG.	OVERLAY	CONSTRUCTION AGENCY	SOURCE OF INFORMATION	Existing Pavement Conditions (PCI) at last inspection	Soil Class	Subbase Course	Base Course	Surface Course	Overlay	Pavement Strength	
RUNWAYS													
6100-01	Runway 3-21	2000		City of Wasilla		89		Existing	6" CABC	3" AC (2000)		General Aviation	
TAXIWAYS													
100-01	T/W A	2000		City of Wasilla		86		Existing	6" CABC	2" AC (2000)			
100-02	Taxilane A	2000		City of Wasilla		88		Existing	6" CABC	2" AC (2000)			
200-01	T/W B	2000		City of Wasilla		82		Existing	6" CABC	2" AC (2000)			
200-02	T/W B	2000		City of Wasilla		87		Existing	6" CABC	2" AC (2000)			
300-01	Taxilane C	2000		City of Wasilla		93		Existing	6" CABC	2" AC (2000)			
400-01	T/W D	2000		City of Wasilla		93		Existing	6" CABC	2" AC (2000)			
600-01	Taxilane F	2000		City of Wasilla		88		Existing	6" CABC	2" AC (2000)			
801-01	Hangar Access Lane 1	2004		City of Wasilla		New Pavement		Existing	6" CABC	2" AC (2004)			
802-01	Hangar Access Lane 2	2004		City of Wasilla		New Pavement		Existing	6" CABC	2" AC (2004)			
803-01	Hangar Access Lane 3	2004		City of Wasilla		New Pavement		Existing	6" CABC	2" AC (2004)			
804-01	Hangar Access Lane 4	2004		City of Wasilla		New Pavement		Existing	6" CABC	2" AC (2004)			
APRONS													
4100-01	Apron	2000		City of Wasilla		91		Existing	6" CABC	2" AC (2000)			
4100-02	Apron	2000		City of Wasilla		87		Existing	6" CABC	2" AC (2000)			
4200-01	Hangar Apron	2004		City of Wasilla		New Pavement		Existing	6" CABC	2" AC (2004)			
REMARKS:													
Runway 3-21, 4 Taxiways, and Apron paved in 2000.													
Date of Site Inspection:		5/9/2002		Evaluated By:		S. Gartin		3/22/2005				PAGE 1 of 1	



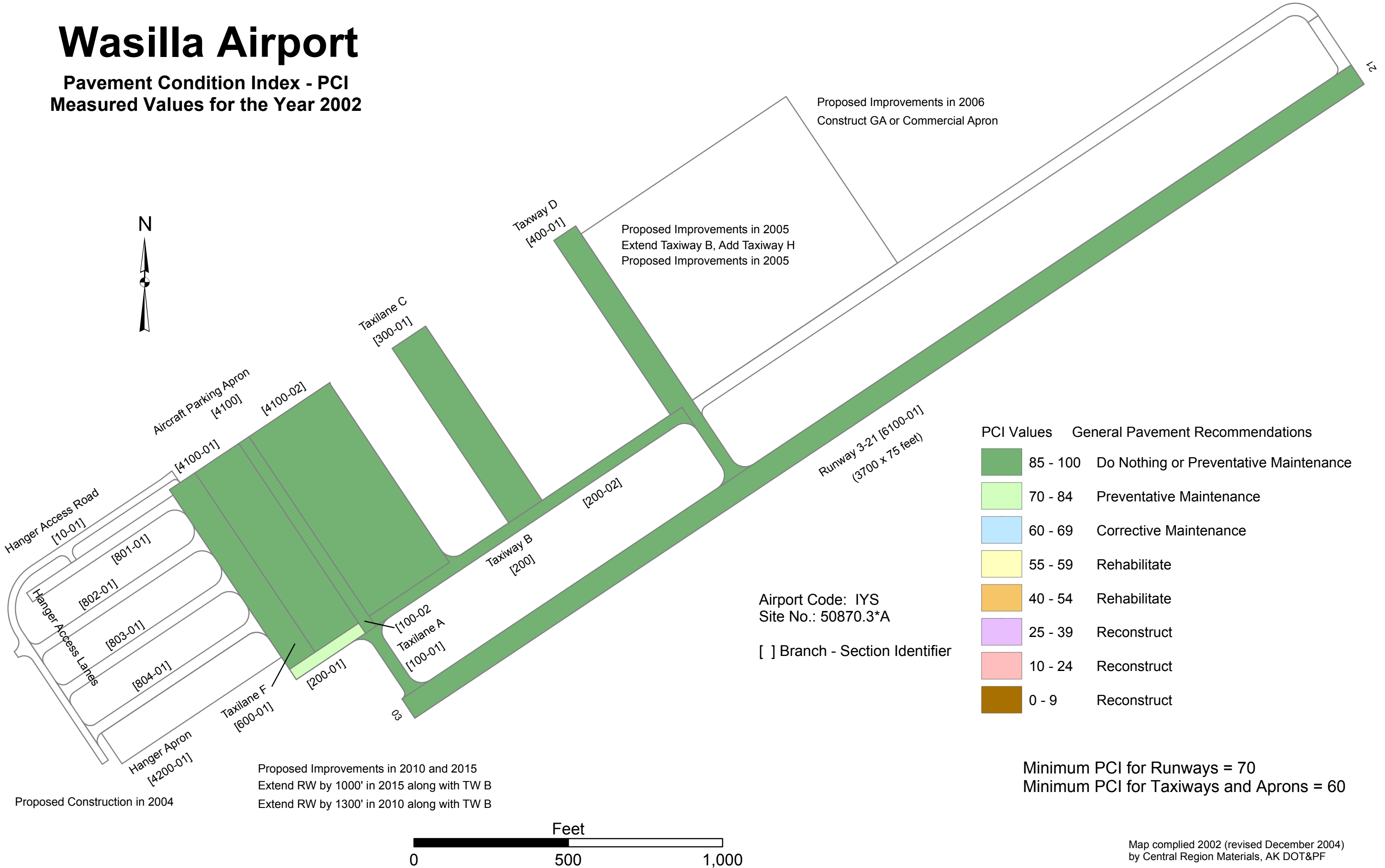
Wasilla Airport

Pavement Surface Age
2004



Wasilla Airport

Pavement Condition Index - PCI
Measured Values for the Year 2002



Pavement Condition Index - PCI Predicted Values for the Year 2003



Taxway D
[400-01]

Proposed Improvements in 2005
Extend Taxiway B, Add Taxiway H
Proposed Improvements in 2005

Proposed Improvements in 2006
Construct GA or Commercial Apron

Taxilane C
[300-01]

Aircraft Parking Apron
[4100]

Hanger Access Road
[10-01]

[801-01]

[802-01]

[803-01]

[804-01]

Hanger Apron
[4200-01]

[200-01]

03

[100-01]
 Taxilane A
 [100-01]

Taxiway
[200]

[200-02]

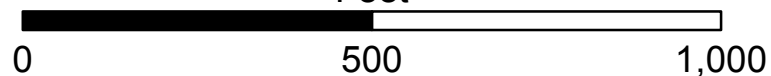
Airport Code: IYS
Site No.: 50870.3*A

[] Branch - Section Identifier

Proposed Improvements in 2010 and 2015
Extend RW by 1000' in 2015 along with TW B
Extend RW by 1300' in 2010 along with TW B

Proposed Construction in 2004

Feet



Runway 3-21 [6100-01]
(3700 x 75 feet)

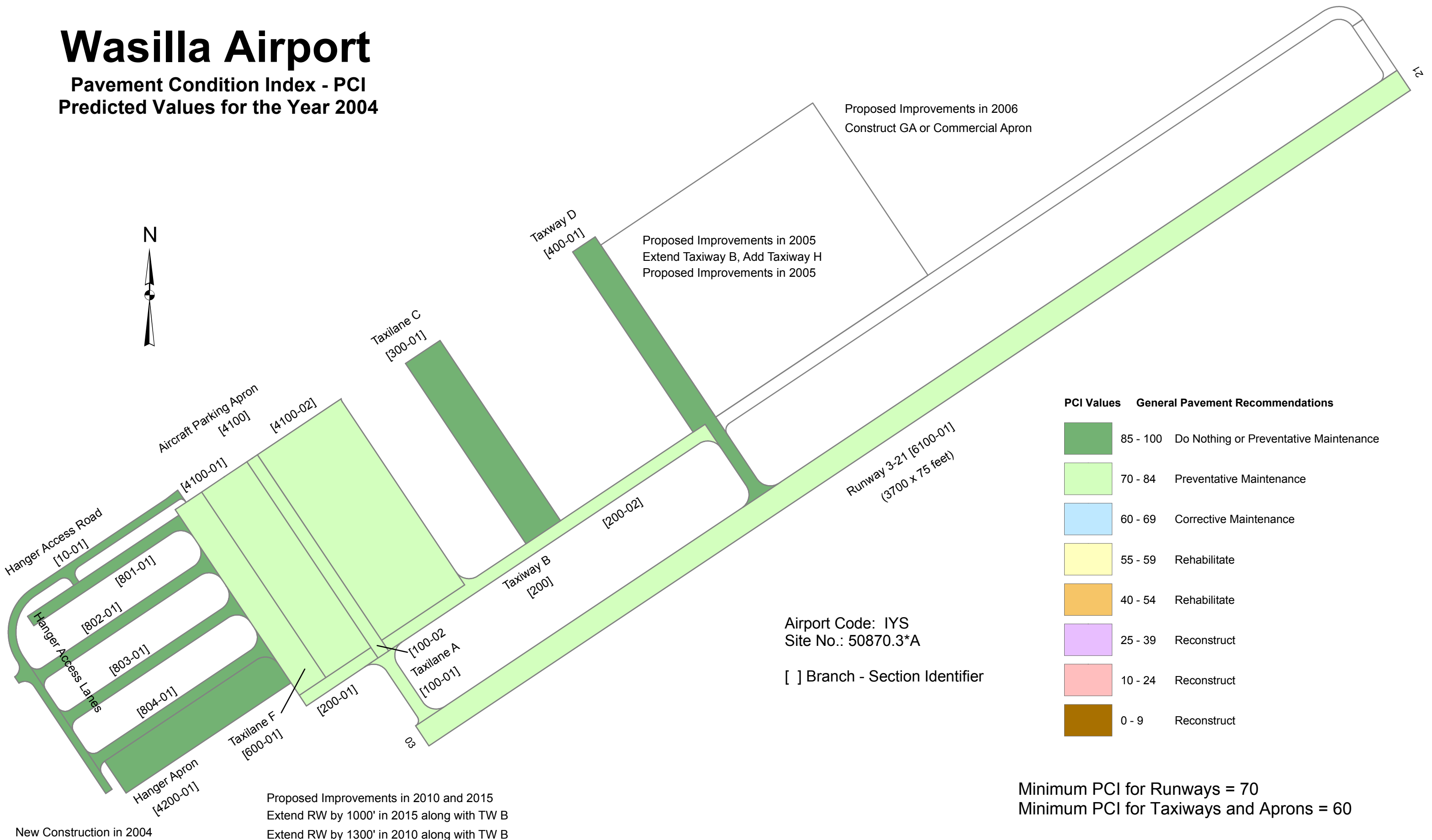
PCI Values	General Pavement Recommendations
85 - 100	Do Nothing or Preventative Maintenance
70 - 84	Preventative Maintenance
60 - 69	Corrective Maintenance
55 - 59	Rehabilitate
40 - 54	Rehabilitate
25 - 39	Reconstruct
10 - 24	Reconstruct
0 - 9	Reconstruct

Minimum PCI for Runways = 70
Minimum PCI for Taxiways and Aprons = 60

Map compiled 2002 (revised December 2004)
by Central Region Materials, AK DOT&PF

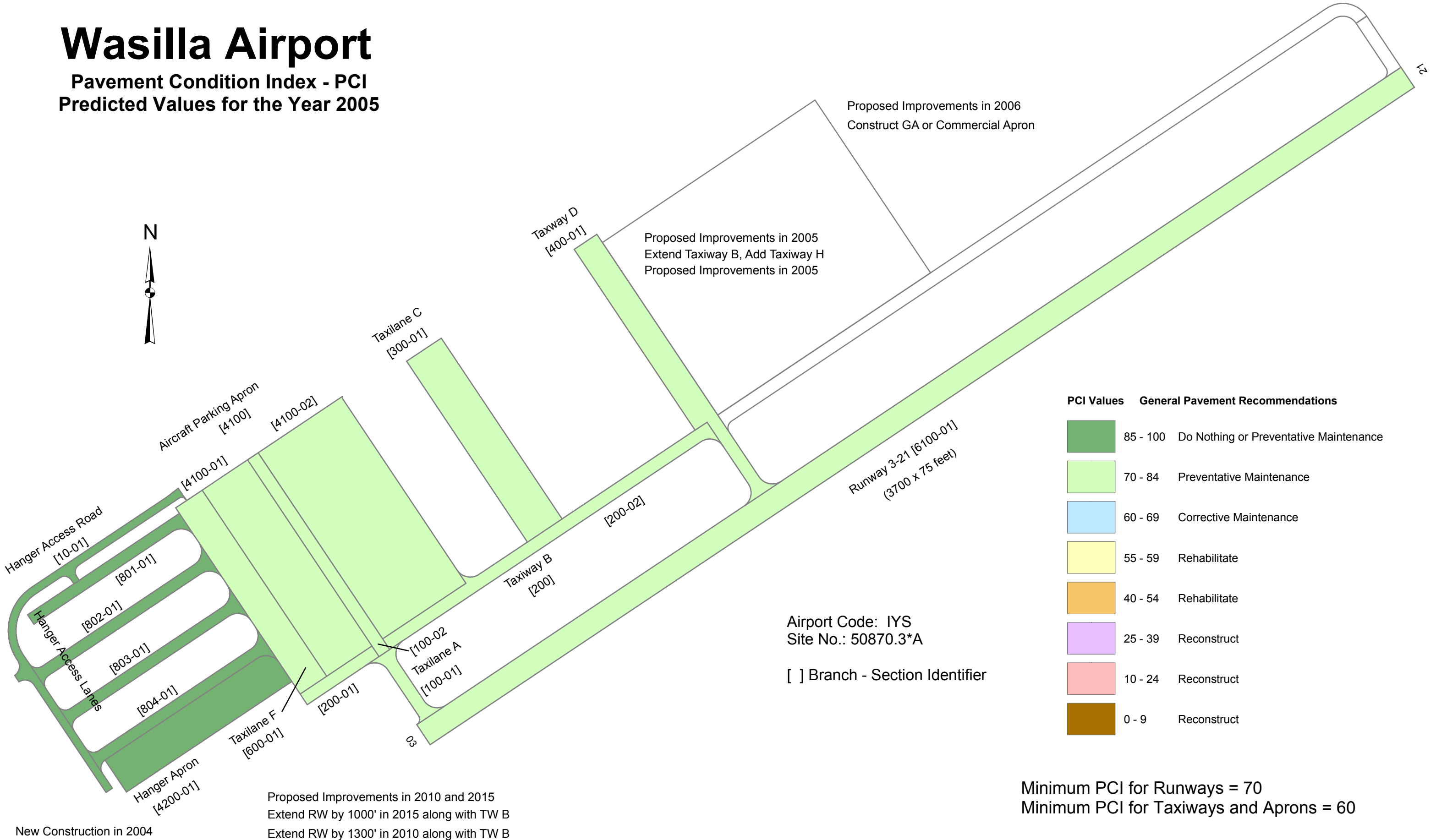
Wasilla Airport

Pavement Condition Index - PCI
Predicted Values for the Year 2004



Minimum PCI for Runways = 70
Minimum PCI for Taxiways and Aprons = 60

Pavement Condition Index - PCI Predicted Values for the Year 2005



[] Branch - Section Identifier

PCI Values	General Pavement Recommendations
85 - 100	Do Nothing or Preventative Maintenance
70 - 84	Preventative Maintenance
60 - 69	Corrective Maintenance
55 - 59	Rehabilitate
40 - 54	Rehabilitate
25 - 39	Reconstruct
10 - 24	Reconstruct
0 - 9	Reconstruct

Minimum PCI for Runways = 70
Minimum PCI for Taxiways and Aprons = 60

Map compiled 2002 (revised December 2004)
by Central Region Materials, AK DOT&PF

New Construction in 2004

Proposed Improvements in 2010 and 2015
Extend RW by 1000' in 2015 along with TW B
Extend RW by 1300' in 2010 along with TW B

Feet

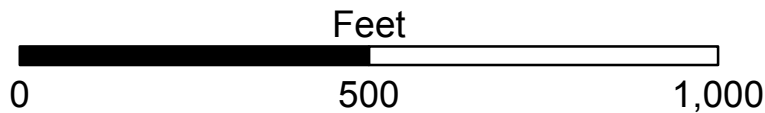
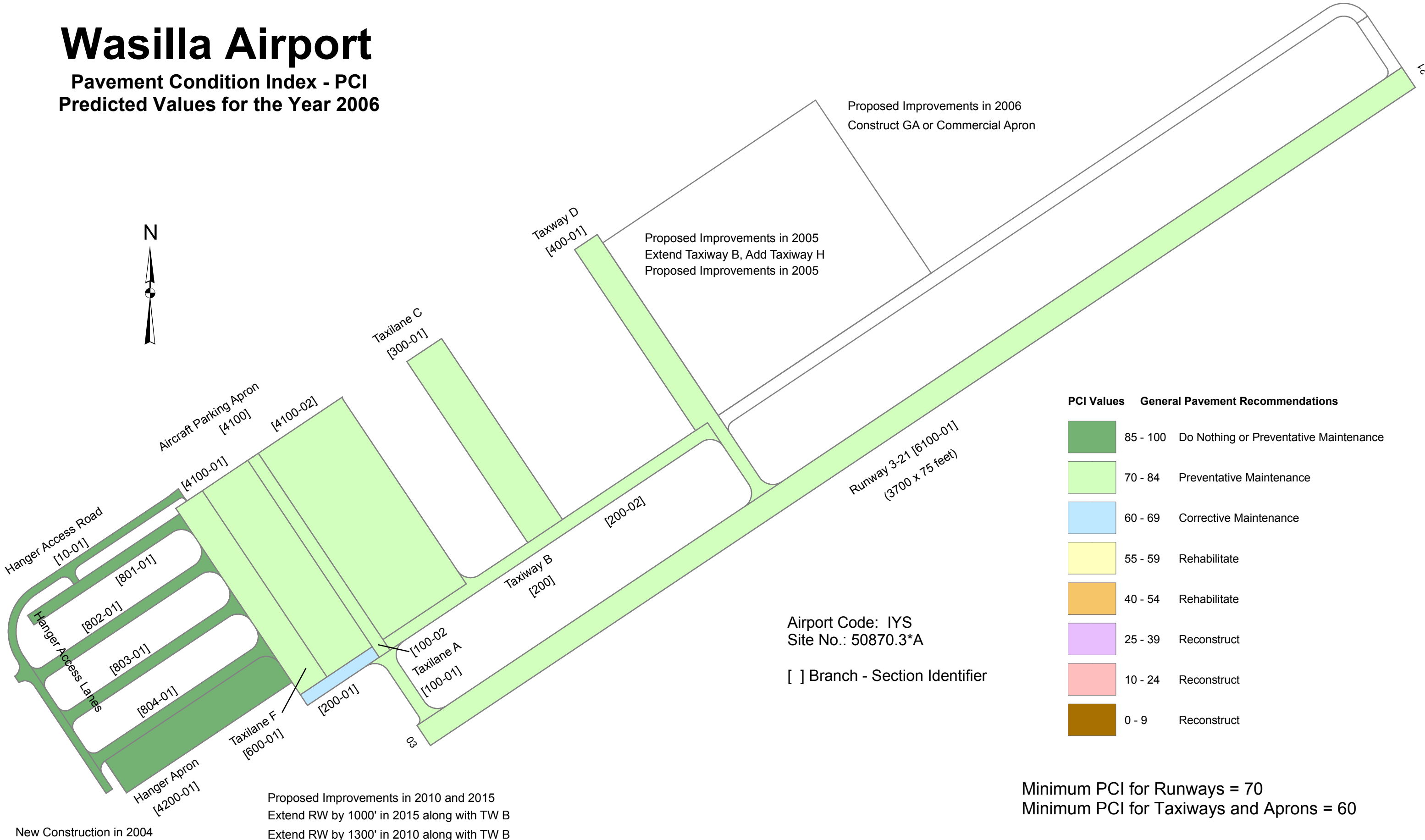
0

500

1,000

Wasilla Airport

Pavement Condition Index - PCI
Predicted Values for the Year 2006



Wasilla Airport

Pavement Condition Index - PCI
Predicted Values for the Year 2007

